Data Visualization With Power BI

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Offerings OThis Course

01	BI and Data Visualization	**05**	Power BI Installation
02	What is Power BI?	**06**	Power BI DAX
03	Power BI Components	**07**	Visual Analytics
04	Building Blocks Of Power BI	**08**	Power BI Visuals/Charts

What Is Business Intelligence?

What Is Business Intelligence?

Raw Data → Business Intelligence → Business Insights

Business Intelligence Features

Better Business Understanding

Decision Making

Quick navigation

Instant Answers

Phases Of Business Intelligence

Phases Of Business Intelligence

IT Dependent

Analyst

End User

What Is Data Visualization?

What Is Data Visualization?

Design

Information Science

Data Visualization

William Playfair
(Geometric Charts 1781)

Explored exports from seventeen countries to Scotland

Communication

Data Visualization Tools

Data Visualization Tools

What Is PowerBI?

What IsPowerB?

From connection to collaboration, PowerBI is the most powerful, secure and flexible end-to-end analytics platform for your data

Apt Visualizations
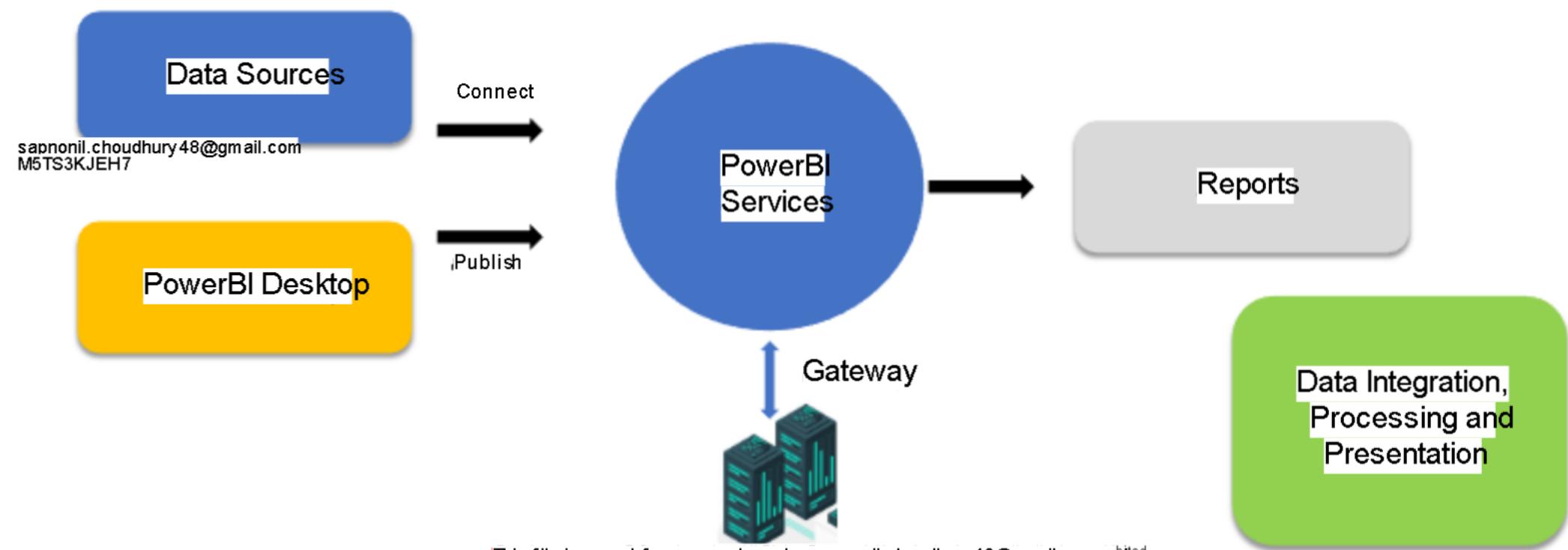
Depth

Automatic Function

Connection To Data

PowerBI Architecture

Data Sources

Connect →

PowerBI Desktop

Publish →

PowerBI Services

→ **Reports**

Gateway

Data Integration, Processing and Presentation

Components Of PowerBI

Components OPowerBI

Power Query

Power View

PowerBI QNA

Power Pivot

Power Map

Building Blocks Of PowerBI

Building Blocks (PowerBI

Visualizations

Datasets

Reports

Dashboards

Tiles

PowerBI Reports

PowerBI Reports

It is a multi-perspective view into a particular data set with visualizations that represent different findings and insights from that a set. A report may be a single visualization or pages full of visualizations.

PowerBI
Dashboards

PowerBI Dashboards

It is a single page, also known as a canvas, that uses visualizations to tell a particular story. It is one page, and a point note is that a good dashboard contains only the important elements of that story.
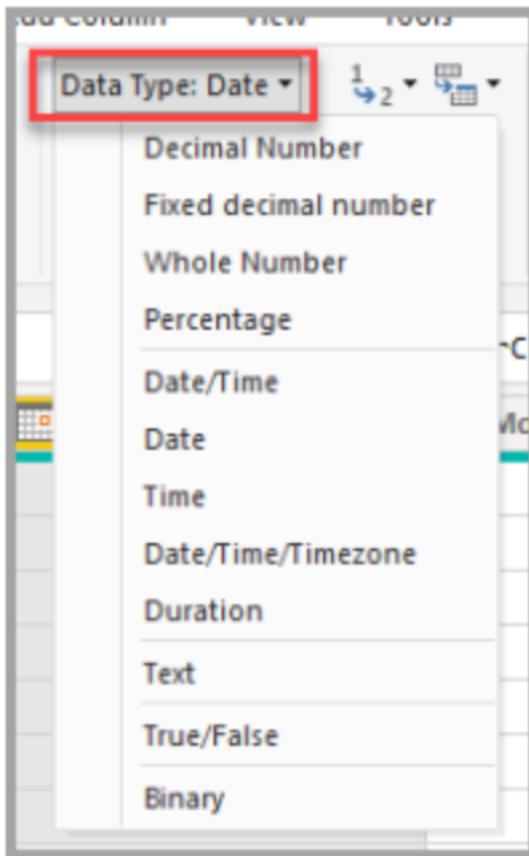
Demo: PowerBI Installation and Interface

Power BI Data Types

PowerBI Data Types

PowerBI DAX

PowerBI DAX

DAX is a collection of functions, operators and constant used in formulas, to return one or more values. It is a native formula and Query language by Microsoft

Functional Query Language

Deals with relational data

Performs Aggregations

PowerBI DAX

Syntax

Context

Function

Measure = Function(TableName(ColumnName))

Visual Analytics

Popular Cloud Service Providers

Question and Answer Time

Summary

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